

## ABSTRACT

A small size, light weight heat control device feasible for

*no word heat* *thermal*  
a an artificial satellite or a spacecraft is disclosed. The heat

5 control device uses an optical property particular to a substance  
itself in place of a mechanical principle applied to a conventional

thermal louver. In addition, the device of the present invention is

highly reliable and long life because it needs no movable portions

which would bring about wear, fatigue and other problems.

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